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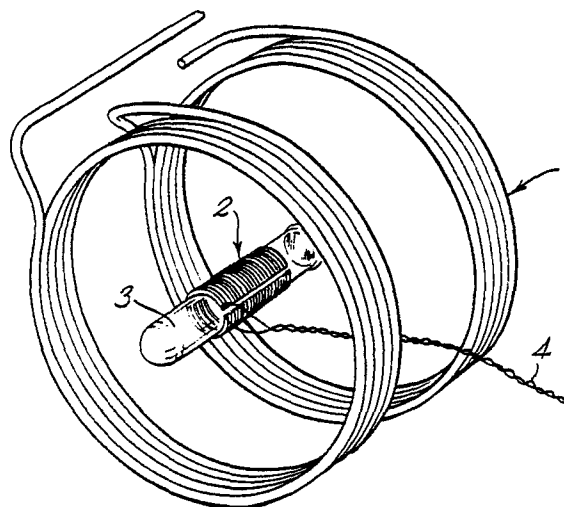
(71) Applicant: **NATIONAL RESEARCH
DEVELOPMENT CORPORATION
101 Newington Causeway
London SE1 6BU(GB)**

(72) Inventor: **Lurie, David John
12 Fairview Avenue
Danestone Aberdeen AB2 8ZA(GB)
Inventor: Bussell, David Malcolm
2 Firhill Place
Old Aberdeen Aberdeen AB2 3JA(GB)
Inventor: Mallard, John Rowland
121 Anderson Drive
Aberdeen AB2 6BG(GB)**

(74) Representative: **Davis, Norman Norbridge
Patent Department National Research
Development Corporation 101 Newington
Causeway
London SE1 6BU(GB)**

(54) **Methods of obtaining images representing the distribution of paramagnetic molecules in solution.**

(57) An image of the distribution of the molecules of a paramagnetic substance in solution is obtained by exciting EPR resonance in the solute and obtaining an NMR image of selected nuclei (e.g. protons) in the solvent.



EP 0 302 742 A3



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	MAGNETIC RESONANCE IN MEDICINE vol. 4, no. 2, February 1987, pages 93-111, New York, US; H.F. BENNETT et al.: "Effects of Nitroxides on the Magnetic Field and Temperature Dependence of 1/T1 of Solvent Water Protons" * page 93, line 1 - page 94, line 25; page 108, lines 1,2; page 109, lines 8-37 * ---	1,3	G 01 N 24/08
A	REVIEW OF SCIENTIFIC INSTRUMENTS vol. 52, no. 4, April 1981, pages 533-538, New York, US; N. CHANDRAKUMAR et al.: "Field-frequency locked x-band Overhauser effect spectrometer" * abstract; page 533: Introduction; pages 537,538: "Performance of the Spectrometer" ---	1-3	
A	WO-A-8 402 643 (R.T. GORDON) * abstract; page 7, lines 14-27; page 10, line 7 - page 11, line 6 * ---	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	US-A-4 280 096 (W. KARTHE et al.) * column 1, line 18 - column 2, line 42; column 3, lines 7-68; figures 1,2 * ---	1,3,4,6	G 01 R 33/00
P,X	JOURNAL OF MAGNETIC RESONANCE vol. 76, no. 2, February 1988, pages 366-370, Duluth, US; D.J. LURIE et al.: "Proton-Electron Double Magnetic Resonance Imaging of Free Radical Solutions" --- -/-	1-6	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 17-09-1990	Examiner MOUTARD P.J.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



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EUROPEAN SEARCH REPORT

Page 2

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EP 88 30 7252

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
P, X	US-A-4 719 425 (K.V. ETTINGER) * abstract; column 1, lines 10-44; column 2, lines 14-63; column 3, lines 11-40; figure 1 * -----	1, 3, 4	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
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